SBR No. 03/2020-21
DATED 22-05-2020

EE/ELE/Y/BR.No. 03/20-21
Dt. 22/5/2020

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No.1st & Final Bill 22/5/2020

Date.....2019

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Job Code :-009-19-000007** -

Schedule Docket No. Head of Account : P – **P 3290** D.R.No.

Name of Work **Providing** Energy Efficient LED Street lights to Hmt. L-o and Surrounding areas in Ward No. 09

.Name of Contractor and Full Address **M/s Chowdeshwari Electricals,**

Reference to Agreement No:EE(Ele)YZ/WO/000025 / 2019-20 Date:- 23/08/2019

Certified that the measurements were taken by me on 14/2/20 and recorded of Pages 256437 to 439 of measurement Book No. 2565/18-19 and that the work is satisfactorily executed.

For Sri Chowdeshwari Electrical

Contractor

Proprietor

Officer-in-charge of work

Certified that the measurement were taken by me on ..14/2/19..... and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele) BBMP, Bangalore

Sub-Division Officer

II Memorandum of Payment

		Amount
1)	Total value of work done or supplies made as per account within	Bill= 357399=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	IT 1% 3574=00
3)	" Balance	LWC 1% 3574=00
4)	Deduct Payment:	CBF 01% 357=07
a)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No.....	Sbcst 1% 3192=07
	adjusted towards cash advance recovery of	Cbcst 1% 3192=07
b)	Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	Fine = 2250=00
		deductions= 16139=00
		Cheque = 341260=00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

For Sri Chowdeshwari Electrical

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (For use in the Office)

Witness For Sri Chowdeshwari Electrical

1.

2.

Dated Signature of Contractor

Proprietor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....Initials of Officer making payme

P3290. 14th Finance grants

Stamp 357399=00

341260=00

16139=00

Sl. No		Unit
	Name Of Work:- Providing Energy efficient LED street lights to HMT layout and surrounding area in Ward No-09.	
1	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II. LED Streetlight 65watts	Nos
2	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.200mmx200mmx98mm	Nos
3	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	Nos
4	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.25 sqmm Long Barrel	Nos
5	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 3.5 core 25 sqmm	Mtrs
6	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm	Mtrs
7	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)50X50X6 mm	Mtrs
8	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).	Mtrs
9	1.1 KV Pin Insulator	Nos
10	No. 8 Strain Insulator	Nos
11	2 Pin 45x45x5mm -510mm	Nos
12	Releasing of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing (Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	Nos
13	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	Nos
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Elg)
BBMP, Bangalore

Previous Measurement		Present Measurement			Total Upto Date		Remarks
	Cost	Qty	Rate	Amount	Qty	Cost	
		1	13572.00	13572.00	1	13572	
		37	1579.05	58424.85	37	58424.85	
		37	2931.90	108480.3	37	108480.3	
		80	14.93	1194.4	80	1194.4	
		248	119.63	29668.24	248	29668.24	
		248	10.80	2678.4	248	2678.4	
		45	190.68	8580.6	45	8580.6	
		4495	21.75	97766.25	4495	97766.25	
		148	31.90	4721.2	148	4721.2	
		50	10.15	507.5	50	507.5	
		138	221.85	30615.3	138	30615.3	
		6	198.36	1190.16	6	1190.16	
		6	870.00	5220	6		
				362619.20		**357399.20**	

357399.20

~~362619.20~~